

Host (A) Resource Record

The host (A) resource record contains the IP address of a specific host and maps the FQDN to this 32-bit IPv4 addresses. Host (A) resource records basically associates the domain names of computers (FQDNs) or hosts names to their associated IP addresses. Because a host (A) resource record statically associates a host name to a specific IP address, users can manually add these records to zones if they have machines that have statically assigned IP addresses.

The methods used to add host (A) resource records to zones are:

- Manually add these records using the DNS management console.
- Use the Dnscmd tool at the command line to add host (A) resource records.
- TCP/IP client computers running Windows 2000, Windows XP, or Windows Server 2003 use the DHCP Client service to both register their names and update their host (A) resource records.

Pointer (PTR) Resource Record

The pointer (PTR) resource record points to a different resource record and is used for reverse lookups to point to A resource records. Reverse lookups resolve IP addresses to host names or FQDNs.

Add PTR resource records to zones through the following methods:

- Manually add these records with the DNS management console.
- Use the Dnscmd tool at the command line to add PTR resource records.